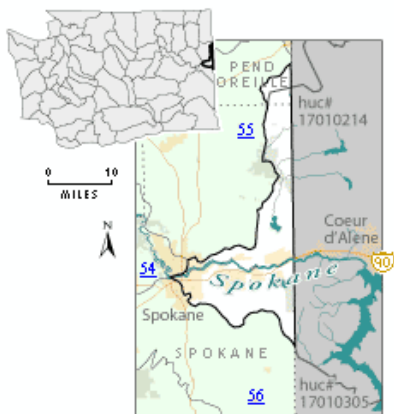


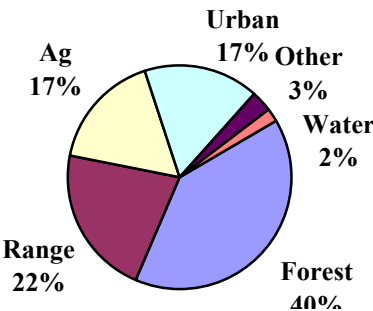
# Middle Spokane Basin - WRIA #57



WRIA #57 encompasses about 183,274 acres. This small watershed is located within the Columbia Basin and Northern Rockies ecoregions. Average annual rainfall is 22 inches per year.

## Demographics

### Land use in the Middle Spokane Basin



### Land Base (in acres)

Federal	-0-	-0-
State	12,247	6.7%
Local	3,621	2.0%
Tribal	-0-	-0-
Private	167,406	91.3%

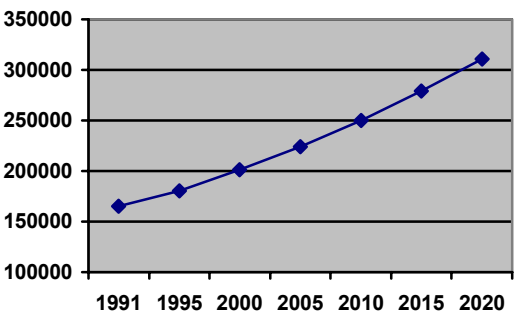
### Principal Economic Activity (as total wages)

Manufacturing	12%
Retail Trade	20%
Services	29%
Government	16%
Other	23%

## Population

There are approximately 198,526 people living in the Middle Spokane Basin. The primary population center is Spokane.

### Projected population trends



## Counties

Spokane (93%)  
Pend Oreille (7%)

## Special purpose districts

Conservation Districts: Spokane County; Pend Oreille

Irrigation Districts: Carnhope #7; Consolidated #19; Hutchinson #16; Moab #20; Model #8; Orchard Ave. #6; Pasadena Park #17; Trentwood #3; Vera #15

## Principal Cities

Spokane	Millwood
Trentwood	Chester
Opportunity	Greenacres

## Reservation Lands

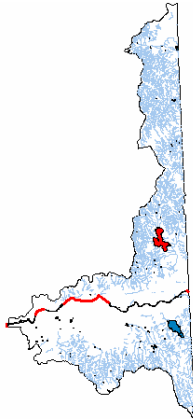
None

## General Landscape

This basin was impacted by the immense floods from glacial Lake Missoula that periodically broke through the ice dam. The floods scoured the loess covering the plateau. Potential natural vegetation on these loess islands include big sagebrush, three-tip, bluebunch wheatgrass and Idaho fescue.

## Surface Water Quality

303(d) listed waterbodies



### 1. 303(d) Listed Problem Areas

**Dissolved oxygen** in Spokane River

**Metals** in Spokane River

**Nutrients** in Newman Lake

**PCBs** in Spokane River

**Sediment Bioassay** in Spokane River

**Arsenic** in Spokane River

#### Total Maximum Daily Loads

3 TMDLs required from the 1998 303(d) list

### 2. Impacted Beneficial Uses

#### Groundwater Quality

Nitrates – Levels detected >10 mg/L

Pesticides – Have been detected in public wells.

#### Sole Source Aquifer

Spokane Valley Rathdrum Prairie Aquifer

#### Water Quantity

No Concerns

**Air Quality**  
**(From windblown dust)**  
No concerns

**Public Health**  
**Commercial Shellfish Growing Areas**  
None

**Domestic Water Supply**  
No significant use of surface water sources

**Salmonid Stock Status**  
All Anadromous Extinct  
Resident Healthy

### 3. Water Quality Programs

1. TMDLs for Spokane River
2. TMDL for Liberty Lake
3. Spokane Valley-Rathdrum Prairie Aquifer Protection, Spokane County Public Works/Utilities/Water Quality Management Program
4. Septic Tank Elimination Project, City of Spokane
5. Spokane River Phosphorus Management Plan
6. U.S. Geologic Survey NAWQA study of the basin, USGS
7. Riparian Buffer Cost Share Program, Spokane CD
8. Watershed Planning Program, Spokane County Public Works/Utilities/Water Quality Management Program
9. Onsite Sewage Education Program, Spokane Regional Health
10. Wellhead Protection Program, Spokane Regional Health
11. Environmental Health Education, Spokane Regional Health
12. Aquifer Protection Program, Spokane Regional Health
13. Water Quality Education & Public Involvement, Spokane County Public Works/Utilities/Water Quality Management Program